

(No Model.)

W. E. POWELL.

DRINKING CUP ATTACHMENT FOR BOTTLES.

No. 423,275.

Patented Mar. 11, 1890.

Fig. 1.

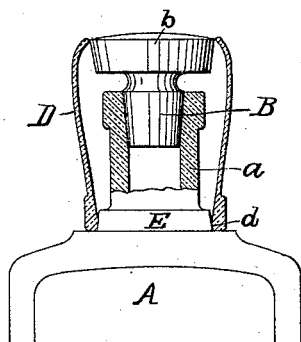


Fig. 2.

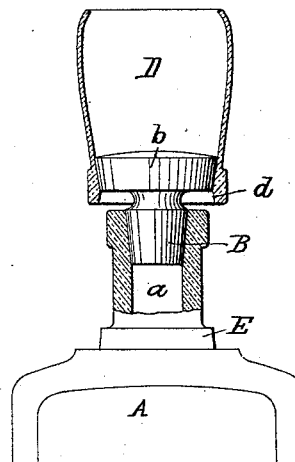


Fig. 3.

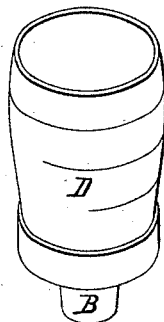


Fig. 4.

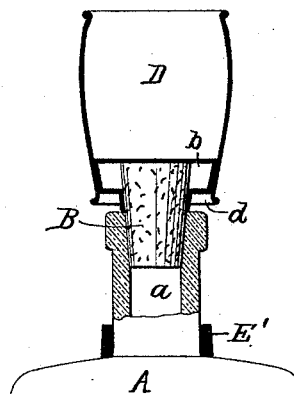
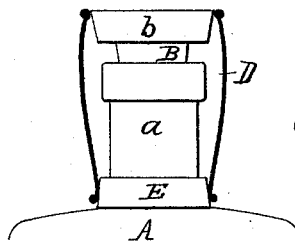


Fig. 5.



WITNESSES:

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WILLIAM E. POWELL, OF BROOKLYN, NEW YORK.

DRINKING-CUP ATTACHMENT FOR BOTTLES.

SPECIFICATION forming part of Letters Patent No. 423,275, dated March 11, 1890.

Application filed June 21, 1889. Serial No. 315,042. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. POWELL, a citizen of the United States, and a resident of Brooklyn, Kings county, New York, have invented an Improved Drinking-Cup Attachment for Bottles, of which the following is a specification.

The object of my invention is to provide medicine or other bottles with a convenient drinking-cup attachment to be carried by the bottle without taking up an undue amount of room when not in use and to be always ready for use for the drinking of a portion of the contents of the bottle either in specified doses or according to the quantity desired. This object I attain by combining with the neck and stopper of a bottle a drinking-cup body, which, when not in use, fits around the neck of the bottle, and which, when it is to be used, is lifted up off the neck of the bottle and is so combined with the stopper that the head of the latter then fits into and forms the bottom of the cup, all as hereinafter described.

In the accompanying drawings, Figure 1 is a view, partly in section, of the upper part of the bottle provided with my improvement, and showing the cup-body fitted around the neck of the bottle in the position it usually occupies when not in use. Fig. 2 is a corresponding view, but showing the cup-body lifted off the neck of the bottle and with the head of the stopper fitted into the bottom of the cup-body. Fig. 3 is a perspective view of the cup-body and stopper of the bottle, which now forms the bottom of the cup, detached from the bottle. Figs. 4 and 5 are views of a modification.

In the figures, A represents the bottle, which may be of any suitable construction, as my invention is applicable to all classes of bottles and for almost all ordinary uses, although it is more especially designed for application to bottles containing medicines, tonics, &c., which have to be taken in specified doses. The stopper B, which usually fits into the neck *a* of the bottle, may be of any suitable material, and in Figs. 1 and 2 I have shown it as made of glass, porcelain, or similar material, in which case it should have a ground joint where it fits into the neck of the bottle. Rubber or papier-maché or similar material may, however, be employed where the use of the material will permit.

In the construction shown in Fig. 4 I have shown the stopper part as made of cork.

The stopper is provided with an enlarged head *b*, which may be in one piece with the rest of the stopper, as in the case shown in Figs. 1 and 2, or may be made separate and attached thereto, as shown in Fig. 4. In this latter instance I have shown the enlarged head as made of sheet metal. This enlarged head of the stopper should be made of a slightly-larger diameter than the diameter of the neck of the bottle, and by preference the head is made slightly tapering, as illustrated in the drawings.

D is the body of the drinking-cup, which may be of any suitable shape and is of a height to about equal the height from the shoulder of the bottle to the top of the stopper. The interior lower end of the cup is of a shape and diameter to accurately fit the periphery of the enlarged head of the stopper, so that when the body of the drinking-cup is raised from the neck of the bottle, as shown in Fig. 1, to the position shown in Fig. 2 the enlarged head of the stopper will fit into and close the bottom of the drinking-cup with a liquid-tight joint, but is readily detached again.

In Figs. 1 and 2 the drinking-cup is shown as made of glass, porcelain, or similar material, in which case the periphery of the enlarged head of the stopper and the corresponding interior part of the drinking-cup should be ground to form a ground joint.

In Figs. 4 and 5 the drinking-cup attachment is shown as made of sheet metal; but it may be made of hard rubber, indurated fiber, or any suitable material.

If the drinking-cup attachment is made for use on medicine-bottles, dose-marks may be indicated on the body of the cup in any suitable way, either inside or outside. In case the cup is made of glass it may have the dose-marks ground on the outside, as illustrated, for instance, in Fig. 3, while in case the cup is formed of sheet metal dose-marks may be indicated by slight indentations.

In order that the cup-body may rest steadily on the neck or shoulder of the bottle in the position shown in Figs. 1 and 5, a collar E may be provided on the lower end of the neck of the bottle of a size to fit the bottom of the cup-body. In Figs. 1 and 2 I have shown this col-

lar as formed on the neck of the bottle itself and tapering upward, while the bottom of the cup-body is formed with a corresponding taper *d* to fit the collar. In the construction shown in Figs. 4 and 5 I have shown the collar as formed by a rubber gasket *E'*, fitted around the neck of the bottle, so that when the cup is pressed down to the position shown in Fig. 5 it will be firmly held.

10 I claim as my invention—

1. The combination of a drinking-cup body with a bottle-stopper having an enlarged head to fit in and form the bottom of the cup with a liquid-tight joint, but detachable therefrom, and then adapted to fit around the neck of the bottle, substantially as described.

2. The combination of a bottle with a drinking-cup attachment consisting of a cup-body with a stopper having a head larger in diameter than the neck of the bottle and adapted to fit into and close the bottom of the cup, but detachable therefrom, and then adapted to fit around the neck of the bottle.

3. The combination of a bottle having a collar on the lower end of its neck, with a drinking-cup attachment consisting of a cup-body whose lower end is adapted to fit on the said collar, and with a stopper having an enlarged head adapted to fit into and close the bottom of the cup.

4. The combination of the bottle having at the lower end of its neck a collar formed by a rubber gasket, with a drinking-cup attachment consisting of a cup-body adapted to fit the said collar when placed over the bottle-neck, and a stopper having an enlarged head to fit into and close the bottom of the cup, all substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM E. POWELL.

Witnesses:

EDITH J. GRISWOLD,
GEORGE BAUMANN.